



PATENT

Attorney Docket No. 02730.0020.PCUS00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

(s): Sun-Chang Kim, et al.  
App. No.: 10/505,328  
Conf. No.: 5904  
Filing Date: October 31, 2002  
Title: CONSTRUCTION OF NOVEL  
STRAINS CONTAINING  
MINIMIZING GENOME BY TN5-  
COUPLED CRE/LOXP EXCISION  
SYSTEM  
Examiner: Not Yet Assigned

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Missing Parts Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date:

11/21/05  
Date

  
Teddy C. Scott, Jr., Ph.D.  
Registration No. 53,573

**RESPONSE TO COMPLY WITH REQUIREMENTS  
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE  
SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Dear Sir:

In response to the *Notification to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosure* dated June 21, 2005, Applicants submit herewith the following documents:

- Computer – Readable format of Sequence Listing (1 disk);
- Paper Copy of Sequence Listing (6 pages);
- Statement Regarding Sequence Submission (1 page);
- Copy of the Notification to Comply (2 pages);
- Petition for a Three Month Extension of Time;
- Fee Transmittal; and
- Return receipt postcard

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing the above-identified docket number.

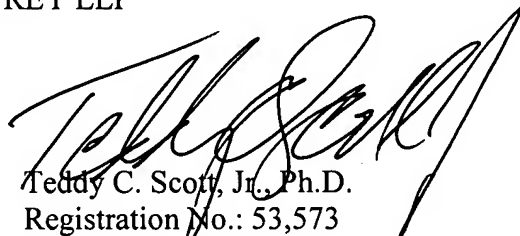
If extensions of time under 37 C.F.R. § 1.136 are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefore are hereby authorized to be charged to our Deposit Account No. 08-3038 referencing the above-identified docket number. A duplicate copy of this Response is enclosed.

Respectfully submitted,

HOWREY LLP

Dated: November 21, 2005

By:

  
Teddy C. Scott, Jr., Ph.D.  
Registration No.: 53,573  
Customer No.: 22930

HOWREY LLP  
321 N. Clark Street, Suite 3400  
Chicago, IL 60661  
(312) 595-1239 (main)  
(312) 846-5621 (direct)  
(312) 595-2250 (fax)

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL for FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

## Complete If Known

Application Number	10/505,328
Filing Date	October 31, 2002
First Named Inventor	Sun-Chang Kim
Examiner Name	Not yet assigned
Art Unit	Not yet assigned
Attorney Docket No.	02730 0020 PCLIS00

TOTAL AMOUNT OF PAYMENT \$(510.00)

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 08-3038 Deposit Account Name: Howrey Simon Arnold & White LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

### 2. EXCESS CLAIM FEES

Fee Description	Small Entity Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
<b>Total Claims</b>	<b>Multiple Dependent Claims</b>	
- 20 or HP = _____ x _____ = _____	Fee (\$)	Fees Paid (\$)
HP = highest number of total claims paid for, if greater than 20		
<b>Indep. Claims</b>	<b>Multiple Dependent Claims</b>	
- 3 or HP = _____ x _____ = _____	Fee (\$)	Fees Paid (\$)
HP = highest number of independent claims paid for, if greater than 3		

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

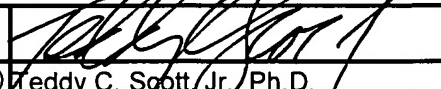
<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 100 = _____	/50 = _____	(round up to a whole number) x _____	= _____	

### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Petition for Three Month Extension of Time (small entity) - \$510 **\$510.00**

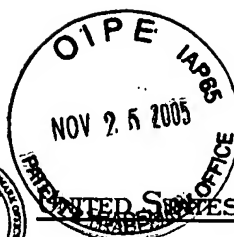
## SUBMITTED BY

Signature		Registration No. 53,573 (Attorney/Agent)	Telephone (312) 846-5621
Name (Print/Type)	Freddy C. Scott, Jr. Ph.D.		Date November 21, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PCT



RSD/SWO

UNITED STATES DEPARTMENT OF COMMERCE  
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www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/505,328	FIRST NAMED APPLICANT Sun-Chang Kim	ATTY. DOCKET NO. 300602004700
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INTERNATIONAL APPLICATION NO.

PCT/KR02/02033

I.A. FILING DATE

10/31/2002

PRIORITY DATE

02/22/2002

Morrison & Foerster  
2000 Pennsylvania Avenue, NW Suite 5500  
Washington, DC 20006

REMINDER:

DUE DATE:

FINAL DUE DATE:

CONFIRMATION NO. 5904

371 FORMALITIES LETTER



\*OC000000016313733\*

Date Mailed: 06/21/2005

## NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

RECEIVED

PART 1 - ATTORNEY/APPLICANT COPY

JUL - 6 2005

MORRISON &amp; FOERSTER LLP

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/505,328	PCT/KR02/02033	300602004700

FORM PCT/DO/EO/922 (371 Formalities Notice)